

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0001	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Maintenance Area 0001	A	16.76						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.24%	0.05			
Encroachments					1.84	1.22		
Animal Control	0.02		0.02	0.12%				
Erosion / Bank Caving	0.01		0.01	0.06%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.68		0.68	4.06%				
DWR UCIP Field Study					0.30	0.13		
<i>LMA Totals:</i>	0.75	0.00	0.75	4.47%	2.19	1.35	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0001

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0001

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	16.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/13/2015 - 03/13/2015		09/16/2015 - 09/16/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	19
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2013_19				
Action/Comments					
Inspector Comments: The LMA has emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2013_28				
Action/Comments					
Inspector Comments: The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	29
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_MA0001_01_s_2013_29				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	0.04	Rating **	U	Issue No.	2
LM End	0.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.213988 °	39.215198 °
				-122.001537 °	-122.004775 °
DWR ID	DWR_MA0001_01_s _ 2012_2				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_2_20150910_00003.jpg



View of the building along the L/S toe.

LM Start	0.44	Rating **	M	Issue No.	1
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.157957 °	39.158226 °
				-122.021950 °	-122.021950 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: SYC_9-3_L]					

No Photos

LM Start	0.67	Rating **	U	Issue No.	7
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.216533 °	39.216680 °
				-122.012512 °	-122.012907 °
DWR ID	DWR_MA0001_01_s _ 2012_7				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_7_20150910_00006.jpg



View of the buildings along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	0.79	Rating **	U	Issue No.	8
LM End	0.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.217282 °	39.218215 °
				-122.014290 °	-122.016538 °
DWR ID	DWR_MA0001_01_s_2012_8				
Action/Comments					
Building					

No Photos

LM Start	1.17	Rating **	M	Issue No.	639
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.221685 °	39.221685 °
				-122.015720 °	-122.015720 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44590 DS_ID:16431 EP_NO: 9481 FS_HLM: 1.197 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. No repairs have been made yet. Need pressure test/video inspection to determine integrity of pipe wall. WS-woody debris scattered along slope & bank. Erosion on bank near ditch. LS-discharge pipe heavily corroded & CMP section missing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0097 for debris & encroachment within 15 feet. 7/18/2013 LS outlet was underwater and could not be inspected but nothing looks to have been changed. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe (CMP) through the levee, slide gate on the waterward slope. (ABO No. 9481-1974, Roberts Ditch Irrigation Company) Crossing penetrates the levee at an angle. Other appurtenances located at this crossing include slant pump, concrete distribution box and shed structure located 100 feet northeast from levee crossing. Flow is carried from concrete distribution box to slide gate via concrete lined ditch. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 63+53). FS Date: 04/21/2015					

Photo 1 of 3 : UCIP_FA_2015_4788.jpg



Close up of appurtenances located about 100 feet NE of levee crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.17	Rating **	M	Issue No.	639 (cont)
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.221685 °	39.221685 °
				-122.015720 °	-122.015720 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44590

DS_ID:16431

EP_NO: 9481

FS_HLM: 1.197

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 4/20/2015 Same as last inspection. No repairs have been made yet. Need pressure test/video inspection to determine integrity of pipe wall. WS-woody debris scattered along slope & bank. Erosion on bank near ditch. LS-discharge pipe heavily corroded & CMP section missing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0097 for debris & encroachment within 15 feet. 7/18/2013 LS outlet was underwater and could not be inspected but nothing looks to have been changed. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.

FIELD_STRUCT_DESC: 36-inch corrugated metal pipe (CMP) through the levee, slide gate on the waterward slope. (ABO No. 9481-1974, Roberts Ditch Irrigation Company) Crossing penetrates the levee at an angle. Other appurtenances located at this crossing include slant pump, concrete distribution box and shed structure located 100 feet northeast from levee crossing. Flow is carried from concrete distribution box to slide gate via concrete lined ditch. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 63+53).

FS Date: 04/21/2015

Photo 2 of 3 : UCIP_FA_2015_4789.jpg



Other appurtenances associated with crossing-Structure, pump, distribution box, and power pole located on WS bank.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.17	Rating **	M	Issue No.	639 (cont)
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.221685 °	39.221685 °
				-122.015720 °	-122.015720 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44590
DS_ID:16431
EP_NO: 9481
FS_HLM: 1.197
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/20/2015 Same as last inspection. No repairs have been made yet. Need pressure test/video inspection to determine integrity of pipe wall. WS-woody debris scattered along slope & bank. Erosion on bank near ditch. LS-discharge pipe heavily corroded & CMP section missing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0097 for debris & encroachment within 15 feet. 7/18/2013 LS outlet was underwater and could not be inspected but nothing looks to have been changed. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe (CMP) through the levee, slide gate on the waterward slope. (ABO No. 9481-1974, Roberts Ditch Irrigation Company) Crossing penetrates the levee at an angle. Other appurtenances located at this crossing include slant pump, concrete distribution box and shed structure located 100 feet northeast from levee crossing. Flow is carried from concrete distribution box to slide gate via concrete lined ditch. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 63+53).
FS Date: 04/21/2015

Photo 3 of 3 : UCIP_FA_2015_4790.jpg



Overview of levee crown at crossing looking U/S.

LM Start	1.20	Rating **	U	Issue No.	6
LM End	1.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.222119 °	39.224063 °
				-122.015747 °	-122.016080 °
DWR ID	DWR_MA0001_01_s_2012_6				

Action/Comments

Ditch

Photo 1 of 1 : FA_2015_MA0001_297_6_20150910_00005.jpg



View of ag. ditch along the L/S toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	640
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44592					
DS_ID:16430					
EP_NO: 9487					
FS_HLM: 1.96					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 WS pipe end is plugged about 50% by soil. Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. 7/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 04/21/2015					

Photo 1 of 3 : UCIP_FA_2015_4791.jpg



View of landward side looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	640 (cont)
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44592					
DS_ID:16430					
EP_NO: 9487					
FS_HLM: 1.96					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 WS pipe end is plugged about 50% by soil. Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. 7/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 04/21/2015					

Photo 2 of 3 : UCIP_FA_2015_4818.jpg



View of waterward side looking upstream at CMP riser on slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	640 (cont)
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231866 °	39.231866 °
				-122.015442 °	-122.015442 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44592					
DS_ID:16430					
EP_NO: 9487					
FS_HLM: 1.96					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 WS pipe end is plugged about 50% by soil. Remove dirt and debris in riser. Outlet deformed and blocked over 50%. Debris-round concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt. 7/18/2013 WS pipe end has been reformed but is still clogged about 50% by sediment. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 04/21/2015					

Photo 3 of 3 : UCIP_FA_2015_4819.jpg



Overview of levee crown and slopes looking upstream towards crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	641
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231880 °	39.231880 °
				-122.015432 °	-122.015432 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44593					
DS_ID:17565					
EP_NO: 9487					
FS_HLM: 1.961					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 WS pipe end plugged about 50% by soil.WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt.7/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 04/21/2015					

Photo 1 of 3 : UCIP_FA_2015_3729.jpg



View of CMP risers located on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	641 (cont)
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231880 °	39.231880 °
				-122.015432 °	-122.015432 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44593					
DS_ID:17565					
EP_NO: 9487					
FS_HLM: 1.961					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 WS pipe end plugged about 50% by soil.WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt.7/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18).					
FS Date: 04/21/2015					

Photo 2 of 3 : UCIP_FA_2015_4820.jpg



View of levee crown and slopes looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	1.92	Rating **	M	Issue No.	641 (cont)
LM End	1.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.231880 °	39.231880 °
				-122.015432 °	-122.015432 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44593 DS_ID:17565 EP_NO: 9487 FS_HLM: 1.961 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 WS pipe end plugged about 50% by soil.WS-remove dirt and debris in riser. Outlet deformed and blocked over 50%. Burrow activity near outlet on waterward slope. Debris around concrete section on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0116 for crossing outlet deformed and clogged with dirt.7/18/2013 WS pipe end has been reformed but is still partially blocked with dirt and debris.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (CMP) through the levee. Slide gates in CMP riser on the waterward slope. (ABO No. 9487-1974, Jimeno Rancho) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 103+18). FS Date: 04/21/2015					

Photo 3 of 3 : UCIP_FA_2015_4821.jpg



CMP pipe outlet deformed with over 50 percent blockage.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.23	Rating **	M	Issue No.	642
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44594 DS_ID:16429 EP_NO: 9472 FS_HLM: 2.281 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955. FS Date: 04/21/2015					

Photo 1 of 3 : UCIP_FA_2015_3730.jpg



View of outlet located at waterward toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.23	Rating **	M	Issue No.	642 (cont)
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44594 DS_ID:16429 EP_NO: 9472 FS_HLM: 2.281 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955. FS Date: 04/21/2015					

Photo 2 of 3 : UCIP_FA_2015_3731.jpg



View of levee crown looking downstream at crossing. CMP riser located on waterward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.23	Rating **	M	Issue No.	642 (cont)
LM End	2.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.235993 °	39.235993 °
				-122.012970 °	-122.012970 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44594 DS_ID:16429 EP_NO: 9472 FS_HLM: 2.281 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Remove debris from riser. Landward inlet is blocked by over 50%. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0128 for sediment build up at inlet (landward side) and debris inside riser. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 54-inch corrugated metal drain pipe through the levee. Slide gate in CMP riser on the waterward slope. 48-inch corrugated metal pipe at landward slope. This crossing crosses the levee at an angle. (ABO No. 9472-1974, Ballard) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+00) dated 1955. FS Date: 04/21/2015					

Photo 3 of 3 : UCIP_FA_2015_3732.jpg



View of waterward side looking at slope and channel.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.25	Rating **	M	Issue No.	643
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44595
 DS_ID:16428
 EP_NO: 9467
 FS_HLM: 2.297
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Same as last inspection. Only riser visible. Debris and sediment blocking gate. Gate inside riser is buried and non-functional. If crossing is abandoned, owner needs to properly abandon. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0132 no culvert through the levee is visible here. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee. Slide gate in CMP riser on the waterward slope. (ABO No. 9467-1974, Lovell E. Spurgeon) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 120+60)
 FS Date: 04/21/2015

LM Start	2.25	Rating **	M	Issue No.	643 (cont)
LM End	2.25	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3733.jpg



Unable to locate waterward outlet.

Photo 2 of 3 : UCIP_FA_2015_3734.jpg



View of waterward slope and toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.25	Rating **	M	Issue No.	643 (cont)
LM End	2.25	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.236178 °	39.236178 °
				-122.012812 °	-122.012812 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44595					
DS_ID:16428					
EP_NO: 9467					
FS_HLM: 2.297					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3735.jpg



Overview of levee crown looking upstream at crossing.

LM Start	2.53	Rating **	U	Issue No.	20
LM End	2.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.239750 °	39.239955 °
				-122.010390 °	-122.010090 °
DWR ID	DWR_MA0001_01_s_2012_20				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_20_20150910_00009.jpg



View of the house next to the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	644
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44741					
DS_ID:16416					
EP_NO: 9474					
FS_HLM: 2.869					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 60-inch concrete pipe through the levee. Slide gates in concrete well at the waterward toe. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.					
FS Date: 04/24/2015					

Photo 1 of 3 : UCIP_FA_2015_3736.jpg



Concrete distribution box located on waterward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	644 (cont)
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44741

DS_ID:16416

EP_NO: 9474

FS_HLM: 2.869

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.

FIELD_STRUCT_DESC: 1 of 2: 60-inch concrete pipe through the levee. Slide gates in concrete well at the waterward toe. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.

FS Date: 04/24/2015

Photo 2 of 3 : UCIP_FA_2015_3737.jpg



Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	644 (cont)
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243410 °	39.243410 °
				-122.008393 °	-122.008393 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44741
 DS_ID:16416
 EP_NO: 9474
 FS_HLM: 2.869
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 1 of 2: 60-inch concrete pipe through the levee. Slide gates in concrete well at the waterward toe. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.
 FS Date: 04/24/2015

Photo 3 of 3 : UCIP_FA_2015_4929.jpg



View of concrete distribution box and headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	645
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433 °	39.243433 °
				-122.008386 °	-122.008386 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44742
DS_ID:17567
EP_NO: 9474
FS_HLM: 2.87
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
FIELD_STRUCT_DESC: 2 of 2: 60-inch pipe through the levee. Crossing angles through levee. Slide gates in concrete well at the waterward toe. Slide gates missing. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.
FS Date: 04/24/2015

Photo 1 of 3 : UCIP_FA_2015_4964.jpg



Close up view of concrete distribution box located on waterward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	645 (cont)
LM End	2.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.243433 °	39.243433 °
				-122.008386 °	-122.008386 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44742
 DS_ID:17567
 EP_NO: 9474
 FS_HLM: 2.87
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 2 of 2: 60-inch pipe through the levee. Crossing angles through levee. Slide gates in concrete well at the waterward toe. Slide gates missing. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well.
 FS Date: 04/24/2015

Photo 2 of 3 : UCIP_FA_2015_4965.jpg



Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	2.81	Rating **	U	Issue No.	645 (cont)	
LM End	2.81	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.243433 °	39.243433 °	
				-122.008386 °	-122.008386 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44742 DS_ID:17567 EP_NO: 9474 FS_HLM: 2.87 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Positive closure device is missing and water cannot be prevented from flowing through pipe during high water. During high water flow goes through levee. Missing positive closure device on waterward side. This structure appears abandoned- slide gates have been removed. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0169 for concrete box partially filled with dirt. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 60-inch pipe through the levee. Crossing angles through levee. Slide gates in concrete well at the waterward toe. Slide gates missing. (ABO No. 9474-1974, George R. Zumwalt) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+06). O&M description is for 2-5 foot by 5 foot concrete culverts 2-slide gates hand operated. Culvert constructed with wing walls and gate well. FS Date: 04/24/2015						

Photo 3 of 3 : UCIP_FA_2015_4966.jpg



Concrete distribution box and headwall located on waterward side.

LM Start	3.05	Rating **	U	Issue No.	5
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.246822 °	39.256054 °
				-122.008146 °	-122.009808 °
DWR ID	DWR_MA0001_01_s_2012_5				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_MA0001_297_5_20150910_00004.jpg



View of the ag. ditch & concrete building along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.05	Rating **	C	Issue No.	72
LM End	3.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.246855 °	39.246855 °
				-122.008120 °	-122.008120 °
DWR ID	DWR_MA0001_01_s _ 2015_72				
Action/Comments					
Tree or limb					
Inspector Comments: Sutter Yard remove the large tree.					

No Photos

LM Start	3.33	Rating **	M	Issue No.	646
LM End	3.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.250843 °	39.250843 °
				-122.007992 °	-122.007992 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44599					
DS_ID:16426					
EP_NO: 9490					
FS_HLM: 3.4					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_4967.jpg



View of waterward side looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.33	Rating **	M	Issue No.	646 (cont)
LM End	3.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.250843 °	39.250843 °
				-122.007992 °	-122.007992 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44599					
DS_ID:16426					
EP_NO: 9490					
FS_HLM: 3.4					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 LS inlet still has some minor sediment build up. Needs to be cleaned. LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. 7/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 36-inch drain pipe through the levee. Slide gate in CMP riser on the waterward slope. (Permit No. 9490-1955) This entry matches the Drainage and Irrigation structure referenced in O&M manual (Station 177+67). (USACE-1955)					
FS Date: 04/21/2015					

Photo 2 of 3 : UCIP_FA_2015_4968.jpg



View of landward side looking upstream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.33	Rating **	M	Issue No.	646 (cont)
LM End	3.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.250843 °	39.250843 °
				-122.007992 °	-122.007992 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44599					
DS_ID:16426					
EP_NO: 9490					
FS_HLM: 3.4					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 LS inlet still has some minor sediment build up. Needs to be cleaned. LS pipe slightly deformed and sediment build up blocking about 30% of opening; need to check the condition of the slide gate-need photo. Metal marker down. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0187 for sediment build up at landward toe. 7/18/2013 WS slide gate looks to be in good condition but stem is slightly bent. Not sure if bend will hinder gates operation or not. LS inlet is still blocked by minor sediment build up. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 36-inch drain pipe through the levee. Slide gate in CMP riser on the waterward slope. (Permit No. 9490-1955) This entry matches the Drainage and Irrigation structure referenced in O&M manual (Station 177+67). (USACE-1955)					
FS Date: 04/21/2015					

Photo 3 of 3 : UCIP_FA_2015_5080.jpg



View of waterward slope, riser with slide gate, and outlet.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.68	Rating **	U	Issue No.	647
LM End	3.68	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44600					
DS_ID:16436					
EP_NO: 4213					
FS_HLM: 3.763					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Sink hole over pipe alignment on LS up against the concrete building. Need to dig up pipe and see if its leaking.Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0194 no issues logged.7/18/2013					
Same as last inspection.12/17/2013 Same as last					
inspection.6/18/2014 Same as last inspection.6/23/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on waterward shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landward shoulder. Concrete pump house. (Permit No. 4213-1973, Scott Ranch)					
FS Date: 04/21/2015					

Photo 1 of 3 : UCIP_FA_2015_6490.jpg



Siphon breaker and section of exposed pipe located on landward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.68	Rating **	U	Issue No.	647 (cont)
LM End	3.68	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44600					
DS_ID:16436					
EP_NO: 4213					
FS_HLM: 3.763					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Sink hole over pipe alignment on LS up against the concrete building. Need to dig up pipe and see if its leaking.Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0194 no issues logged.7/18/2013					
Same as last inspection.12/17/2013 Same as last					
inspection.6/18/2014 Same as last inspection.6/23/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on waterward shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landward shoulder. Concrete pump house. (Permit No. 4213-1973, Scott Ranch)					
FS Date: 04/21/2015					

Photo 2 of 3 : UCIP_FA_2015_6491.jpg



Gate valve and exposed section of the pipe located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.68	Rating **	U	Issue No.	647 (cont)
LM End	3.68	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.255803 °	39.255803 °
				-122.009683 °	-122.009683 °
DWR ID					

Photo 3 of 3 : UCIP_FA_2015_6492.jpg



Action/Comments					
Inspector Comments: FS_ID:44600					
DS_ID:16436					
EP_NO: 4213					
FS_HLM: 3.763					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Sink hole over pipe alignment on LS up against the concrete building. Need to dig up pipe and see if its leaking.Recommend adding door to LS concrete structure. Riser located on landward side is damaged. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0194 no issues logged.7/18/2013					
Same as last inspection.12/17/2013 Same as last					
inspection.6/18/2014 Same as last inspection.6/23/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Gate valve on waterward shoulder. 1-1/4 inch conduit through the levee. Siphon breaker on the landward shoulder. Concrete pump house. (Permit No. 4213-1973, Scott Ranch)					
FS Date: 04/21/2015					

Overview of levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.71	Rating **	M	Issue No.	648
LM End	3.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256189 °	39.256189 °
				-122.009957 °	-122.009957 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44603 DS_ID:16424 EP_NO: 9490 FS_HLM: 3.794 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Crossing needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0194-6 & 7 no issues logged. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe (CMP) through levee. Concrete distribution box with pump system located on landward side. Slide gate on the waterward slope removed. (ABO No. 9490-1974, Charles T & Virginia W. Yerxa) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 197+19). FS Date: 04/22/2015					

LM Start	3.71	Rating **	M	Issue No.	648 (cont)
LM End	3.71	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_5081.jpg



Debris inside concrete structure located on landward side.

Photo 2 of 3 : UCIP_FA_2015_5082.jpg



Abandoned pump system inside concrete structure located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.71	Rating **	M	Issue No.	648 (cont)
LM End	3.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256189 °	39.256189 °
				-122.009957 °	-122.009957 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44603					
DS_ID:16424					
EP_NO: 9490					
FS_HLM: 3.794					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5083.jpg



Concrete distribution box located on landward side.

LM Start	3.77	Rating **	U	Issue No.	649
LM End	3.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256553 °	39.256553 °
				-122.010912 °	-122.010912 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44604 DS_ID:16423 EP_NO: 9489 FS_HLM: 3.854 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection.Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00). FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5084.jpg



Inside view of CMP riser located on waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.77	Rating **	U	Issue No.	649 (cont)
LM End	3.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256553 °	39.256553 °
				-122.010912 °	-122.010912 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44604 DS_ID:16423 EP_NO: 9489 FS_HLM: 3.854 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00). FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_5085.jpg



View of crossing looking upstream. Concrete box located on the waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.77	Rating **	U	Issue No.	649 (cont)
LM End	3.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256553 °	39.256553 °
				-122.010912 °	-122.010912 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44604 DS_ID:16423 EP_NO: 9489 FS_HLM: 3.854 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Slide gate wheel handle missing. Clear debris from CMP riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0196 for access box contains backfilled (permanently shut) and outlet located on landside has sediment build up. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee. Slide gate in CMP riser on the waterward slope. 6 foot by 6 foot concrete box on the waterward berm . Additional 12-inch pipe inside concrete distribution box. (ABO No. 9489-1974, Mayfair Farms Inc.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 198+00). FS Date: 04/22/2015					

Photo 3 of 3 : UCIP_FA_2015_5086.jpg



View of concrete distribution box and CMP riser located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.79	Rating **	M	Issue No.	650
LM End	3.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256606 °	39.256606 °
				-122.011115 °	-122.011115 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44605 DS_ID:17659 EP_NO: N/A FS_HLM: 3.866 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/20/2015 Same as last inspection.USA flag markers show some type of alignment on LS. Unable to determine if crossing still exists at this location.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 18 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 150+20). (USACE, 1955) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5087.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2015_5088.jpg



Marker on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.79	Rating **	M	Issue No.	650 (cont)
LM End	3.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.256606 °	39.256606 °
				-122.011115 °	-122.011115 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44605					
DS_ID:17659					
EP_NO: N/A					
FS_HLM: 3.866					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_5089.jpg



Levee crown looking downstream. No appurtenances visible on levee crown or slope.

LM Start	3.88	Rating **	M	Issue No.	50
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.257125 °	39.257125 °
				-122.012648 °	-122.012648 °
DWR ID	DWR_MA0001_01_f_2013_50				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2015_MA0001_297_50_20150910_00015.jpg



View of the elderberry on the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.95	Rating **	M	Issue No.	651
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44606					
DS_ID:16422					
EP_NO: N/A					
FS_HLM: 4.035					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Debris is still blocking gate. Appears to be an abandoned crossing. WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing.7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox)					
FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5090.jpg



View of levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.95	Rating **	M	Issue No.	651 (cont)
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44606
 DS_ID:16422
 EP_NO: N/A
 FS_HLM: 4.035
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Debris is still blocking gate. Appears to be an abandoned crossing. WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. 7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox)
 FS Date: 04/22/2015

Photo 2 of 3 : UCIP_FA_2015_5091.jpg



View of slide gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	3.95	Rating **	M	Issue No.	651 (cont)
LM End	3.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.258073 °	39.258073 °
				-122.013165 °	-122.013165 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44606					
DS_ID:16422					
EP_NO: N/A					
FS_HLM: 4.035					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 Debris is still blocking gate. Appears to be an abandoned crossing. WS-wheel to operate slide gate missing, walkway has been removed; burrow activity near structure; debris in concrete distribution box WS blocking gate. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing.7/18/2013 Wheel to operate slide gate has been replaced but gate is still blocked by debris.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee. Walkway to slide gate on waterward end. Walkway has been removed. Flap gate in concrete distribution box at the landward toe. (ABO - Wilcox)					
FS Date: 04/22/2015					

Photo 3 of 3 : UCIP_FA_2015_5131.jpg



View of waterward slope with concrete structure.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	4.65	Rating **	M	Issue No.	652
LM End	4.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44607 DS_ID:16421 EP_NO: 9475 FS_HLM: 4.749 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86). FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5132.jpg



Overview of levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	4.65	Rating **	M	Issue No.	652 (cont)
LM End	4.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.266435 °	39.266435 °
				-122.010943 °	-122.010943 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44607
 DS_ID:16421
 EP_NO: 9475
 FS_HLM: 4.749
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Same as last inspection. Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86).
 FS Date: 04/22/2015

Photo 2 of 3 : UCIP_FA_2015_5133.jpg



Woody debris inside riser blocking gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	4.65	Rating **	M	Issue No.	652 (cont)	
LM End	4.65	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.266435 °	39.266435 °	
				-122.010943 °	-122.010943 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44607 DS_ID:16421 EP_NO: 9475 FS_HLM: 4.749 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection.Burrow activity; limited visibility of this crossing only on WS riser. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0207 the wheel to operate sluice gate missing. Issue addressed wheel to slide gate has been installed.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through the levee, 16.1 feet below the crown. Slide gate on the waterward end. (ABO No. 9475-1974, Mattie B. Zumwalt Co.) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 247+86). FS Date: 04/22/2015						

Photo 3 of 3 : UCIP_FA_2015_5134.jpg



Riser with slide gate located on waterward toe.

LM Start	4.86	Rating **	M	Issue No.	3
LM End	5.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.265730 °	39.266315 °
				-122.014925 °	-122.020682 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Slump in the middle of the section has left a vertical section on the bank. 2010 - Old cobble site unraveling, site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC_151-0_R]					

Photo 1 of 1 : USACE2013A_SAC_151-0_R_6.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	4.97	Rating **	M	Issue No.	653
LM End	4.97	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924 °	39.264924 °
				-122.015887 °	-122.015887 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44608
 DS_ID:16420
 EP_NO: 4903
 FS_HLM: 5.075
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Suspect that pump on LS is a well pump and has nothing to do with this crossing. Unable to locate siphon breaker, pump on LS; unable to tell if pump system is part of appurtenances. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0233 for utility pole and 8 inch steel riser located on landward toe. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/18/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee. Siphon breaker in 24-inch CMP riser on the landward shoulder. 3-inch electrical conduit through the levee. (Permit No. 4903, A-1966, Zumwalt)
 FS Date: 04/22/2015

LM Start	4.97	Rating **	M	Issue No.	653 (cont)
LM End	4.97	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4386.jpg



View of levee crown looking downstream at crossing.

Photo 2 of 3 : UCIP_FA_2015_5135.jpg



View of waterward side-no visible appurtenances associated with structure.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	4.97	Rating **	M	Issue No.	653 (cont)
LM End	4.97	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.264924 °	39.264924 °
				-122.015887 °	-122.015887 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44608					
DS_ID:16420					
EP_NO: 4903					
FS_HLM: 5.075					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5136.jpg



View of levee crown looking upstream at crossing.

LM Start	5.72	Rating **	M	Issue No.	654
LM End	5.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44624 DS_ID:17569 EP_NO: 9476 FS_HLM: 5.844 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 WS entry still blocked and wingwalls still cracked.blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. Slide gate located on waterward. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5251.jpg



Headwall and slide gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	5.72	Rating **	M	Issue No.	654 (cont)
LM End	5.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44624 DS_ID:17569 EP_NO: 9476 FS_HLM: 5.844 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 WS entry still blocked and wingwalls still cracked.blocked, no entry on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0247 for u/s and d/s wing wall shows some cracking and tilting.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal pipe (15 feet long) and concrete box culvert through the levee. Slide gate located on waterward. (ABO No. 9476-1974, Howard C. & Nadine M. Ohliger) FS Date: 04/22/2015					

LM Start	5.72	Rating **	M	Issue No.	654 (cont)
LM End	5.72	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_5252.jpg



View of levee crown looking upstream at crossing.

Photo 3 of 3 : UCIP_FA_2015_5253.jpg



View of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	5.72	Rating **	M	Issue No.	655
LM End	5.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44623					
DS_ID:16419					
EP_NO: 9476					
FS_HLM: 5.842					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	5.72	Rating **	M	Issue No.	655 (cont)
LM End	5.72	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4387.jpg



View of crossing looking upstream at crossing.

Photo 2 of 3 : UCIP_FA_2015_5249.jpg



Overview of levee crown looking downstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	5.72	Rating **	M	Issue No.	655 (cont)
LM End	5.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.272069 °	39.272069 °
				-122.023240 °	-122.023240 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44623					
DS_ID:16419					
EP_NO: 9476					
FS_HLM: 5.842					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5250.jpg



View of waterward slope and access road. Slide gate is second crossing at this location.

LM Start	5.77	Rating **	M	Issue No.	35
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.272773 °	39.272773 °
				-122.023290 °	-122.023290 °
DWR ID	DWR_MA0001_01_s_2012_35				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	5.82	Rating **	A	Issue No.	80
LM End	5.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.273455 °	39.273455 °
				-122.023323 °	-122.023323 °
DWR ID	DWR_MA0001_01_f_2015_80				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard burn and dragged both slopes.					

Photo 1 of 1 : FA_2015_MA0001_297_80_20151013_00029.jpg



View of no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.12	Rating **	M	Issue No.	75
LM End	6.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.277733 °	39.277733 °
				-122.022887 °	-122.022887 °
DWR ID	DWR_MA0001_01_f_2015_75				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_MA0001_297_75_20151013_00026.jpg



View of the prunings along the landside toe.

LM Start	6.20	Rating **	M	Issue No.	76
LM End	6.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.278917 °	39.278917 °
				-122.022595 °	-122.022595 °
DWR ID	DWR_MA0001_01_s_2014_76				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_MA0001_297_76_20150910_00019.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.24	Rating **	U	Issue No.	656
LM End	6.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44628					
DS_ID:16446					
EP_NO: 4203					
FS_HLM: 6.374					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 4/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times.Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID#					
USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert.7/18/2013 Same as last inspection.12/17/2013					
Same as last inspection.6/23/2014 Same as last inspection. There is no way to stop water from flowing though pipe during high water times.					
FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31).					
FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_5254.jpg



Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.24	Rating **	U	Issue No.	656 (cont)
LM End	6.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44628
 DS_ID:16446
 EP_NO: 4203
 FS_HLM: 6.374
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID#
 USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. There is no way to stop water from flowing through pipe during high water times.
 FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31).
 FS Date: 04/22/2015

Photo 2 of 3 : UCIP_FA_2015_5255.jpg



Inside view of CMP riser, 5-inch pipe through 36-inch drainage pipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.24	Rating **	U	Issue No.	656 (cont)
LM End	6.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.279462 °	39.279462 °
				-122.022461 °	-122.022461 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44628
 DS_ID:16446
 EP_NO: 4203
 FS_HLM: 6.374
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 5inch pvc is still present blocking slide gate from closing. WS end of pipe has been exposed so there is no way to stop water from flowing through pipe during highwater times. Unauthorized 5 inch PVC pipe running through 36 inch crossing. 5 inch PVC crossing prevents slide gate from closing during high water. Debris and sediment inside riser. This crossing was listed in the USACE Periodic Inspection as ID#
 USACE_CESPK_MA1C_2010_p_0258 for 5 inch PVC pipe running through culvert. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. There is no way to stop water from flowing through pipe during high water times.
 FIELD_STRUCT_DESC: 36-inch pipe through the levee. Slide gate in CMP riser on the waterward slope. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 331+31).
 FS Date: 04/22/2015

Photo 3 of 3 : UCIP_FA_2015_5256.jpg



CMP riser located on waterward slope.

LM Start	6.37	Rating **	M	Issue No.	77
LM End	6.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.281364 °	39.281364 °
				-122.022038 °	-122.022038 °
DWR ID	DWR_MA0001_01_s_2014_77				

Action/Comments

Prunings

Photo 1 of 1 : FA_2015_MA0001_297_77_20150910_00020.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.40	Rating **	M	Issue No.	657
LM End	6.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44632 DS_ID:16425 EP_NO: N/A FS_HLM: 6.537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_4701.jpg



View of structure located in landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.40	Rating **	M	Issue No.	657 (cont)
LM End	6.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44632 DS_ID:16425 EP_NO: N/A FS_HLM: 6.537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74) FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_4702.jpg



Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.40	Rating **	M	Issue No.	657 (cont)
LM End	6.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.281721 °	39.281721 °
				-122.021894 °	-122.021894 °
DWR ID					

Photo 3 of 3 : UCIP_FA_2015_4703.jpg



Action/Comments					
Inspector Comments: FS_ID:44632 DS_ID:16425 EP_NO: N/A FS_HLM: 6.537 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Need to be properly abandoned concrete structure; plate covers concrete box; Concrete headwall damaged. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0262 for damage to concrete structure (vertical 2 inch wide cracks and spalling visible). 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 72-inch corrugated metal drain (precast concrete) pipe through the levee, blocked on waterward end with 3-foot concrete plug installed in 1980. Slide gate in concrete well on the landward shoulder. Concrete headwall at both toes. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 339+74) FS Date: 04/22/2015					

View of waterward side no structure features visible.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	U	Issue No.	658
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44644 DS_ID:16427 EP_NO: 9482 FS_HLM: 7.14 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Structure is still buried. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth). FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_4704.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	U	Issue No.	658 (cont)
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44644 DS_ID:16427 EP_NO: 9482 FS_HLM: 7.14 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Structure is still buried. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth). FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_4705.jpg



Overview of levee crown looking downstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	U	Issue No.	658 (cont)
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290147 °	39.290147 °
				-122.021525 °	-122.021525 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44644 DS_ID:16427 EP_NO: 9482 FS_HLM: 7.14 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection. Structure is still buried. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955)(ABO No. 9482-1974, Elizabeth M. Farnsworth). FS Date: 04/22/2015					

Photo 3 of 3 : UCIP_FA_2015_6295.jpg



View of crossing from waterward side. Waterward side blocked by sediment. 2 slide gates part of structure design.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	M	Issue No.	659
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290169 °	39.290169 °
				-122.021532 °	-122.021532 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44645

DS_ID:17570

EP_NO: 9482

FS_HLM: 7.142

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 4/20/2015 Structure is operational. WS slide gate was unbrried aloowing water to irrigate the fields. It gets reburied during highwater season. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS.7/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment.12/17/2013 WS screw gate was closed and buried by soil again6/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing.

FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth)

FS Date: 04/22/2015

Photo 1 of 3 : UCIP_FA_2015_6296.jpg



delete

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	M	Issue No.	659 (cont)
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290169 °	39.290169 °
				-122.021532 °	-122.021532 °
DWR ID					

Photo 2 of 3 : UCIP_FA_2015_6297.jpg



Action/Comments					
Inspector Comments: FS_ID:44645 DS_ID:17570 EP_NO: 9482 FS_HLM: 7.142 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Structure is operational. WS slide gate was unbrried aloowing water to irrigate the fields. It gets reburied during highwater season. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS.7/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment.12/17/2013 WS screw gate was closed and buried by soil again6/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing. FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth) FS Date: 04/22/2015					

Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	6.99	Rating **	M	Issue No.	659 (cont)
LM End	6.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.290169 °	39.290169 °
				-122.021532 °	-122.021532 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44645
 DS_ID:17570
 EP_NO: 9482
 FS_HLM: 7.142
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Structure is operational. WS slide gate was unbrired allowing water to irrigate the fields. It gets reburied during highwater season. Structure is buried and non-operational. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0288 for sluice gate closed and backfilled on WS and full of sediment with wingwall cracked on LS. 7/18/2013 WS screw gate has been cleared of dirt and is open to irrigate LS fields. LS outlet is still mostly blocked by sediment. 12/17/2013 WS screw gate was closed and buried by soil again. 6/23/2014 Same as last inspection. Soli dug out again and water flowing through crossing.
 FIELD_STRUCT_DESC: 2 of 2: 36-inch concrete pipes through the levee. Wooden slide gates on waterward end. Concrete culvert through levee. Sliding metal gate noted in O&M manual. This entry could match the Drainage or Irrigation Structure referenced in the O&M manual (Station 370+90) (USACE-1955). (ABO No. 9482-1974, Elizabeth M. Farnsworth)
 FS Date: 04/22/2015

Photo 3 of 3 : UCIP_FA_2015_6298.jpg



View of crossing from waterward side. Waterward side blocked by sediment. 2 slide gates part of structure design.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	7.27	Rating **	M	Issue No.	660
LM End	7.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294074 °	39.294074 °
				-122.021435 °	-122.021435 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44646
 DS_ID:16456
 EP_NO: N/A
 FS_HLM: 7.421
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Same as last inspection. Rebar pin was still in place holding the gate opened. Sediment and debris on waterward and landward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0293 for wooden slide gate held open by a piece of rebar acting as a pin. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 5 foot by 6 foot concrete box culvert through the levee and access ramp. Two wooden slide gates on waterward end. Concrete v-ditch along landward toe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 385+33.5).
 FS Date: 04/22/2015

LM Start	7.27	Rating **	M	Issue No.	660 (cont)
LM End	7.27	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2015_6299.jpg



Overview of levee crown looking downstream at crossing.

Photo 2 of 2 : UCIP_FA_2015_6348.jpg



Overview of levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	7.51	Rating **	A/W	Issue No.	24
LM End	7.80	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297533 °	39.297420 °
				-122.021779 °	-122.027010 °
DWR ID	DWR_MA0001_01_s_2012_24				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	7.58	Rating **	M	Issue No.	661
LM End	7.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.297384 °	39.297384 °
				-122.022989 °	-122.022989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44647 DS_ID:16455 EP_NO: 12334 FS_HLM: 7.743 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Same as last inspection.Siphon breaker housing unit is bent and has debris inside. LS outlet not found.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through levee, 3 feet below the crown. Centrifugal pump on the bank. Siphon breaker on landward shoulder of the levee. (Permit No. 12334-1978, James Jean) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6349.jpg



View of waterward side-no features on levee shoulder or slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	7.58	Rating **	M	Issue No.	661 (cont)
LM End	7.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.297384 °	39.297384 °
				-122.022989 °	-122.022989 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44647
DS_ID:16455
EP_NO: 12334
FS_HLM: 7.743
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/20/2015 Same as last inspection. Siphon breaker housing unit is bent and has debris inside. LS outlet not found. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
FIELD_STRUCT_DESC: 10-inch steel pipe through levee, 3 feet below the crown. Centrifugal pump on the bank. Siphon breaker on landward shoulder of the levee. (Permit No. 12334-1978, James Jean)
FS Date: 04/22/2015

LM Start	7.58	Rating **	M	Issue No.	661 (cont)
LM End	7.58	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6350.jpg



Pump located on waterward bank.

Photo 3 of 3 : UCIP_FA_2015_6351.jpg



View of landward side with appurtances present on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	7.70	Rating **	M	Issue No.	52
LM End	7.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.297303 °	39.297303 °
				-122.025257 °	-122.025257 °
DWR ID	DWR_MA0001_01_s_2012_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	8.73	Rating **	M	Issue No.	25
LM End	9.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.308390 °	39.315125 °
				-122.031157 °	-122.030206 °
DWR ID	DWR_MA0001_01_s_2012_25				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_MA0001_297_25_20150910_00010.jpg



View of the ag. ditch along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	8.92	Rating **	M	Issue No.	662
LM End	8.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.311103 °	39.311103 °
				-122.030541 °	-122.030541 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44648
 DS_ID:16454
 EP_NO: 9466
 FS_HLM: 9.11
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Same as last inspection.No access to inspect slide gate on LS. Roof of pumping house deteriorating and debris scattered on landward side. WS crossing not found. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_345 no issues recorded.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch steel pipe through the levee. Slide gate in concrete riser on the landward slope. Pump house encroaches into the landward slope. Two service poles on the landward shoulder. (ABO No. 9466-1974, Roman Catholic Bishop of Sacramento)
 FS Date: 04/22/2015

LM Start	8.92	Rating **	M	Issue No.	662 (cont)
LM End	8.92	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6487.jpg



Overview of levee crown looking upstream at crossing.

Photo 2 of 3 : UCIP_FA_2015_6488.jpg



View of pump and standpipe located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	8.92	Rating **	M	Issue No.	662 (cont)	
LM End	8.92	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.311103 °	39.311103 °	
				-122.030541 °	-122.030541 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44648						
DS_ID:16454						
EP_NO: 9466						
FS_HLM: 9.11						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6489.jpg



Overview of levee crown looking downstream at crossing.

LM Start	10.09	Rating **	M	Issue No.	663
LM End	10.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44650 DS_ID:17655 EP_NO: N/A FS_HLM: 10.313 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/20/2015 Unable to locate.7/18/2013 Same as last inspection. Unable to locate.12/17/2013 Unable to locate.6/23/2014 Unable to locate. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through the levee at an unknown depth. Slide gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955) FS Date: 04/22/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.09	Rating **	M	Issue No.	664
LM End	10.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.328121 °	39.328121 °
				-122.029262 °	-122.029262 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:44649 DS_ID:17656 EP_NO: N/A FS_HLM: 10.313 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/20/2015 Unable to locate.7/18/2013 Same as last inspection. Unable to locate.6/23/2014 Unable to locate. FIELD_STRUCT_DESC: 24 inch steel pipe through the levee at an unknown depth. Automatic drainage gate on the outlet end of the pipe. This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 538+42). (USACE, 1955) FS Date: 04/22/2015					

LM Start	10.13	Rating **	M	Issue No.	18
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.328697 °	39.328697 °
				-122.029262 °	-122.029262 °
DWR ID	DWR_MA0001_01_s_ 2012_18				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Monitor the erosion site.					

Photo 1 of 1 : FA_2015_MA0001_297_18_20150910_00008.jpg



View of the erosion along the waterside of the levee.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.21	Rating **	U	Issue No.	665
LM End	10.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329749 °	39.329749 °
				-122.029602 °	-122.029602 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44651
 DS_ID:16453
 EP_NO: N/A
 FS_HLM: 10.43
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff. Landward side has been completely altered. Need to find permit for new work. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch steel pipe through levee. Gate valve on the waterward end. (USACE, 1955) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (538+42).
 FS Date: 04/22/2015

LM Start	10.21	Rating **	U	Issue No.	665 (cont)
LM End	10.21	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2015_6520.jpg



Dual 14-inch pipes along catwalk. 24-inch pipe crosses approximately 8 feet below catwalk floor.

Photo 2 of 2 : UCIP_FA_2015_6521.jpg



Overview of levee crown looking upstream at multiple crossings.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.21	Rating **	U	Issue No.	666
LM End	10.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44663					
DS_ID:17571					
EP_NO: 1800					
FS_HLM: 10.43					
Repair Type: Urgent					
Crossing Status: Found					

LM Start	10.21	Rating **	U	Issue No.	666 (cont)
LM End	10.21	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_6493.jpg



View of catwalk and pump station located on waterward side.

Photo 2 of 3 : UCIP_FA_2015_6494.jpg



View of waterward side looking at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.21	Rating **	U	Issue No.	666 (cont)	
LM End	10.21	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.329750 °		39.329750 °
				-122.029602 °		-122.029602 °
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44663						
DS_ID:17571						
EP_NO: 1800						
FS_HLM: 10.43						
Repair Type: Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6495.jpg



Overview of levee crown looking upstream at crossing.

LM Start	10.21	Rating **	U	Issue No.	667
LM End	10.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44652 DS_ID:16452 EP_NO: 1800 FS_HLM: 10.43 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff.This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U".7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6496.jpg



View of 2-14 inch crossings through levee on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.21	Rating **	U	Issue No.	667 (cont)
LM End	10.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.329750 °	39.329750 °
				-122.029602 °	-122.029602 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44652 DS_ID:16452 EP_NO: 1800 FS_HLM: 10.43 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff. This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U". 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho) FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_6497.jpg



Overview of levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.21	Rating **	U	Issue No.	667 (cont)
LM End	10.21	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.329750 °	39.329750 °	
			-122.029602 °	-122.029602 °	
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44652
 DS_ID:16452
 EP_NO: 1800
 FS_HLM: 10.43
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/20/2015 Erosion happening near WS shoulder where the pipes enter the levee. May just be caused by rain runoff. This crossing has been completely modified--need recent permit issued to allow work on levee and levee toe. Was levee compacted to CVFPB standards? This crossing was listed in the USACE Periodic Inspection as ID#
 USACE_CESPK_MA1C_2010_p_0371 unable to determine why this crossing was assigned "U". 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 1 of 2: 14-inch steel pipes through levee. Siphon breakers on the waterward end. (Permit No. 1800-1959, Jimeno Rancho)
 FS Date: 04/22/2015

Photo 3 of 3 : UCIP_FA_2015_6519.jpg



Catwalk, control panel, and pump station located on waterward side.

LM Start	10.32	Rating **	M	Issue No.	636
LM End	10.32	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.331320 °	39.331320 °	
			-122.029932 °	-122.029932 °	
DWR ID	DWR_MA0001_01_f_2014_636				

Action/Comments

Prunings

Photo 1 of 1 : FA_2015_MA0001_297_636_20150910_00021.jpg



View of the pruning along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	10.78	Rating **	M	Issue No.	637
LM End	10.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.337523 °	39.337523 °
				-122.032437 °	-122.032437 °
DWR ID	DWR_MA0001_01_f_2014_637				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_MA0001_297_637_20150910_00022.jpg



View of the pruning along the landside toe.

LM Start	10.96	Rating **	M	Issue No.	638
LM End	10.96	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.340217 °	39.340217 °
				-122.032605 °	-122.032605 °
DWR ID	DWR_MA0001_01_f_2014_638				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_MA0001_297_638_20150910_00023.jpg



View of the pruning along the landside toe.

LM Start	11.01	Rating **	M	Issue No.	12
LM End	11.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.340774 °	39.340774 °
				-122.032872 °	-122.032872 °
DWR ID	DWR_MA0001_01_s_2012_12				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.01	Rating **	M	Issue No.	668
LM End	11.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340867 °	39.340867 °
				-122.032932 °	-122.032932 °
DWR ID					

Photo 1 of 3 : UCIP_FA_2015_6618.jpg



Drain channel inside ring levee.

Action/Comments					
Inspector Comments: FS_ID:46049					
DS_ID:16449					
EP_NO: 187					
FS_HLM: 11.253					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/21/2015 Same as last inspection. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID#					
USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013					
Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973.					
FS Date: 04/22/2015					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.01	Rating **	M	Issue No.	668 (cont)
LM End	11.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340867 °	39.340867 °
				-122.032932 °	-122.032932 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:46049 DS_ID:16449 EP_NO: 187 FS_HLM: 11.253 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973. FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_6619.jpg



View of abandoned structure located on waterward side (inside ring levee).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.01	Rating **	M	Issue No.	668 (cont)
LM End	11.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340867 °	39.340867 °
				-122.032932 °	-122.032932 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46049

DS_ID:16449

EP_NO: 187

FS_HLM: 11.253

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 4/21/2015 Same as last inspection. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be properly abandoned. This crossing was listed in the USACE Periodic Inspections as ID#

USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013

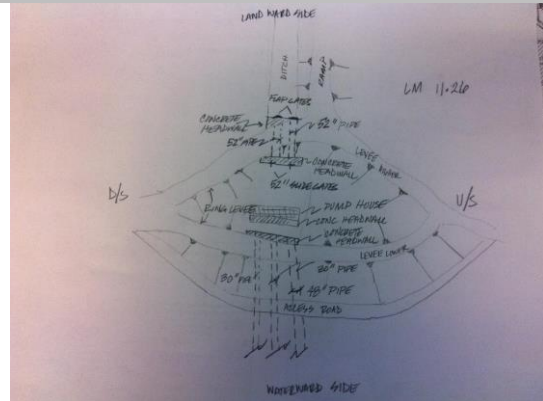
Same as last inspection. 12/17/2013 Same as last

inspection. 6/23/2014 Same as last inspection.

FIELD_STRUCT_DESC: 1 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973.

FS Date: 04/22/2015

Photo 3 of 3 : UCIP_FA_2015_6620.jpg



Sketch of structure located at levee mile 11.26.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.02	Rating **	U	Issue No.	669
LM End	11.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340971 °	39.340971 °
				-122.032957 °	-122.032957 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46048

DS_ID:17572

EP_NO: 187

FS_HLM: 11.26

Repair Type: Urgent

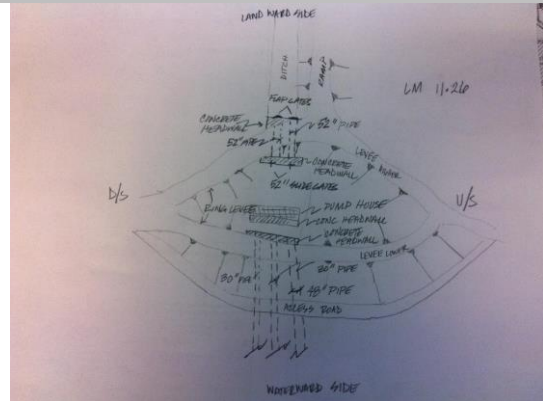
Crossing Status: Found

UCIP Comments: 4/21/2015 Same as last inspection. Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.

FIELD_STRUCT_DESC: 2 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973.

FS Date: 04/22/2015

Photo 1 of 3 : UCIP_FA_2015_6621.jpg



Sketch of structure through levee ring located at levee mile 11.26.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.02	Rating **	U	Issue No.	669 (cont)
LM End	11.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340971 °	39.340971 °
				-122.032957 °	-122.032957 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46048
 DS_ID:17572
 EP_NO: 187
 FS_HLM: 11.26
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/21/2015 Same as last inspection. Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 2 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973.
 FS Date: 04/22/2015

Photo 2 of 3 : UCIP_FA_2015_6622.jpg



Concrete headwall with multiple crossings (2-30 inch pipes and 1-48 inch pipe).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.02	Rating **	U	Issue No.	669 (cont)
LM End	11.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.340971 °	39.340971 °
				-122.032957 °	-122.032957 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46048

DS_ID:17572

EP_NO: 187

FS_HLM: 11.26

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 4/21/2015 Same as last inspection. Missing positive closure device. Need to determine if structure is still in use--contact owner. If abandoned structure--structure needs to be abandoned. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0393 missing gate. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.

FIELD_STRUCT_DESC: 2 of 2: 52-inch CMP through levee. Slide gate on waterward side and flap gate on landward side. Concrete headwalls at both sides. This structure is associated with another abandoned structure located on waterward side. Abandoned structure includes pump house, multiple concrete walls, and 3 additional crossings (2-30 inch pipes and 1-48 inch pipe). (Permit No. 187-1921, Compton-Delevan Irrigation District-Maxwell I.D.) New pump and platform installed and old pump house removed under Permit No. 9183-1973.

FS Date: 04/22/2015

Photo 3 of 3 : UCIP_FA_2015_6623.jpg



Abandoned structure (multiple headwalls and pump structure) located near the lower levee (ring levee).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.19	Rating **	U	Issue No.	670
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343263 °	39.343263 °
				-122.032152 °	-122.032152 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44669
 DS_ID:17691
 EP_NO: 17471
 FS_HLM: 11.432
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 4/21/2015 Sink hole still present between risers. Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structures. 7/18/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Standing water was present in the bottom of the sinkhole.
 FIELD_STRUCT_DESC: 2 of 2: 24 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. (Permit 17471-2002, Maxwell Irrigation District)
 FS Date: 04/22/2015

LM Start	11.19	Rating **	U	Issue No.	670 (cont)
LM End	11.19	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6821.jpg



View of concrete distribution box located on landward toe.

Photo 2 of 3 : UCIP_FA_2015_6822.jpg



Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.19	Rating **	U	Issue No.	670 (cont)
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343263 °	39.343263 °
				-122.032152 °	-122.032152 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44669					
DS_ID:17691					
EP_NO: 17471					
FS_HLM: 11.432					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6823.jpg



CMP risers located on waterward berm. 18-inch pipe corresponds to downstream riser with slide gate. 24-inch pipe corresponds to upstream riser with slide gate.

LM Start	11.19	Rating **	U	Issue No.	671
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343283 °	39.343283 °
				-122.032145 °	-122.032145 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44668 DS_ID:17624 EP_NO: 17471 FS_HLM: 11.431 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Sink hole still present between risers.Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structures.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Standing water was present in the bottom of the sinkhole. FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. Pump station is located approximately 450 feet upstream of crossing. (Permit 17471-2002, Maxwell Irrigation District) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6818.jpg



View of CMP risers located on waterward berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.19	Rating **	U	Issue No.	671 (cont)
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.343283 °	39.343283 °
				-122.032145 °	-122.032145 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44668 DS_ID:17624 EP_NO: 17471 FS_HLM: 11.431 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Sink hole still present between risers.Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structures.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Standing water was present in the bottom of the sinkhole. FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. Pump station is located approximately 450 feet upstream of crossing. (Permit 17471-2002, Maxwell Irrigation District) FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_6819.jpg



View of concrete distribution box located on landward toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.19	Rating **	U	Issue No.	671 (cont)	
LM End	11.19	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.343283 °	39.343283 °	
				-122.032145 °	-122.032145 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44668 DS_ID:17624 EP_NO: 17471 FS_HLM: 11.431 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Sink hole still present between risers.Erosion between risers with slide gates located on waterward side; This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0398 for possible sinkhole between access gate structures.7/18/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Standing water was present in the bottom of the sinkhole. FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter HDPE discharge pipes to be connected to the existing standpipe risers within the waterside and parallel to the right (west) bank levee of Sacramento River. Pump station is located approximately 450 feet upstream of crossing. (Permit 17471-2002, Maxwell Irrigation District) FS Date: 04/22/2015						

Photo 3 of 3 : UCIP_FA_2015_6820.jpg



Overview of levee crown looking downstream at crossing.

LM Start	11.21	Rating **	M	Issue No.	27
LM End	11.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.343542 °	39.347185 °
				-122.032107 °	-122.031525 °
DWR ID	DWR_MA0001_01_s_2012_27				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2015_MA0001_297_27_20150910_00012.jpg



View of the ag. ditch along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

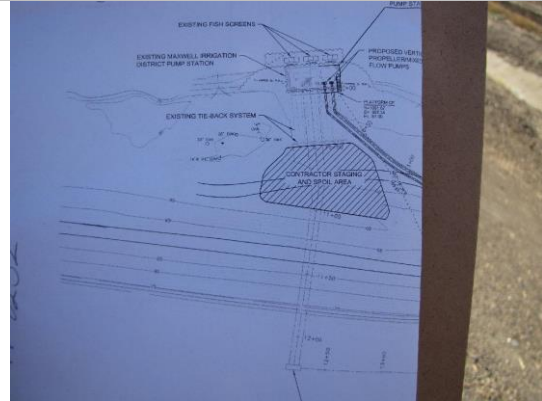
LM Start	11.27	Rating **	M	Issue No.	672
LM End	11.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344376 °	39.344376 °
				-122.031792 °	-122.031792 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44686
 DS_ID:20582
 EP_NO: N/A
 FS_HLM: 11.512
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/21/2015 Same as last inspection. Need to determine encroachment permit associated with this crossing. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 1 of 3: 24 inch discharge pipe through levee. Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.
 FS Date: 04/22/2015

LM Start	11.27	Rating **	M	Issue No.	672 (cont)
LM End	11.27	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_6142.jpg



Drawing of existing Maxwell Irrigation District Conveyance Pipeline
 (DWG available through Permit No. 17471 for work located at LM 11.51).

Photo 2 of 3 : UCIP_FA_2015_6143.jpg



Pump station located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.27	Rating **	M	Issue No.	672 (cont)
LM End	11.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344376 °	39.344376 °
				-122.031792 °	-122.031792 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44686 DS_ID:20582 EP_NO: N/A FS_HLM: 11.512 Repair Type: Non-Urgent Crossing Status: Found					

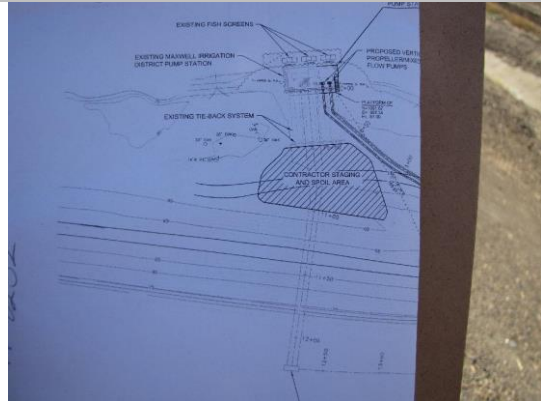
Photo 3 of 3 : UCIP_FA_2015_6144.jpg



Overview of levee crown looking downstream at crossing.

LM Start	11.27	Rating **	M	Issue No.	673
LM End	11.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344390 °	39.344390 °
				-122.031787 °	-122.031787 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44687					
DS_ID:20583					
EP_NO: N/A					
FS_HLM: 11.513					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/21/2015 Same as last inspection.Need to determine encroachment permit for this crossing.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 3: 24 inch discharge pipe through levee.					
Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.					
FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6145.jpg



Drawing of existing Maxwell Irrigation District Conveyance Pipeline
(DWG available through Permit No. 17471 for work located at LM 11.51).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.27	Rating **	M	Issue No.	673 (cont)
LM End	11.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344390 °	39.344390 °
				-122.031787 °	-122.031787 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44687
 DS_ID:20583
 EP_NO: N/A
 FS_HLM: 11.513
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 4/21/2015 Same as last inspection. Need to determine encroachment permit for this crossing. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection.
 FIELD_STRUCT_DESC: 2 of 3: 24 inch discharge pipe through levee. Crossing is tied to existing Maxwell Irrigation District Pump Station located on waterward side. Siphon breaker inside CMP riser located on landward shoulder.
 FS Date: 04/22/2015

LM Start	11.27	Rating **	M	Issue No.	673 (cont)
LM End	11.27	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6146.jpg



Pump Station located on waterward side.

Photo 3 of 3 : UCIP_FA_2015_6147.jpg



Maxwell Irrigation District Pump Station located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

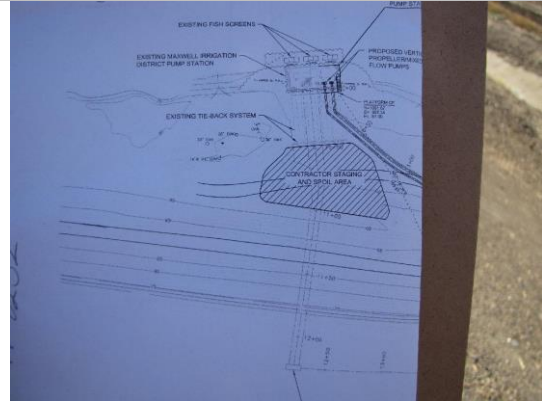
Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.27	Rating **	M	Issue No.	674
LM End	11.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.344400 °	39.344400 °
				-122.031785 °	-122.031785 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44689 DS_ID:20584 EP_NO: N/A FS_HLM: 11.514 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_6148.jpg



Drawing of existing Maxwell Irrigation District Conveyance Pipeline (DWG available through Permit No. 17471 for work located at LM 11.51).

Photo 2 of 3 : UCIP_FA_2015_6149.jpg



Maxwell Irrigation District Pump Station located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	11.27	Rating **	M	Issue No.	674 (cont)	
LM End	11.27	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.344400 °	39.344400 °	
				-122.031785 °	-122.031785 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44689						
DS_ID:20584						
EP_NO: N/A						
FS_HLM: 11.514						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_6305.jpg



Maxwell Irrigation District Pump Station located on waterward side.

LM Start	11.74	Rating **	M	Issue No.	23
LM End	11.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.351155 °	39.351832 °
				-122.030443 °	-122.030295 °
DWR ID	DWR_MA0001_01_s_2012_23				
Action/Comments					
Landscaping					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	12.06	Rating **	M	Issue No.	675
LM End	12.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.355516 °	39.355516 °
				-122.028700 °	-122.028700 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:44690 DS_ID:16457 EP_NO: 13449 FS_HLM: 12.32 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.11/2012 Buried line. No markers found; Need to contact PG&E to determine if crossing is still present.12/2012 According to PG&E, their records indicate that pipe segment has been retired per dwgs. PG&E is finding additional information to confirm if crossing has been retired and method of retirement. Waiting for clarification from PG&E.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch gas pipeline through levee, 30-inches below crown. PG&E crossing is known as reference no. 167-6-13. (Permit No. 13449-1983, PG&E) Emergency contact Mr. Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Coordinates are approximate, FS Date: 04/22/2015					

LM Start	12.06	Rating **	M	Issue No.	4
LM End	13.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.355607 °	39.362600 °
				-122.028707 °	-122.014497 °
DWR ID	DWR_MA0001_01_s_2012_4				

No Photos

Action/Comments					
Ditch					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	12.27	Rating **	M	Issue No.	78
LM End	12.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.357497 °	39.357497 °
				-122.026093 °	-122.026093 °
DWR ID	DWR_MA0001_01_f_2015_78				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_MA0001_297_78_20151013_00027.jpg



View of the rodent holes along the waterside slope.

LM Start	12.49	Rating **	M	Issue No.	79
LM End	12.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.359500 °	39.359500 °
				-122.022980 °	-122.022980 °
DWR ID	DWR_MA0001_01_f_2015_79				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_MA0001_297_79_20151013_00028.jpg



View of the rodent holes along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	12.69	Rating **	M	Issue No.	676
LM End	12.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359843 °	39.359843 °
				-122.019529 °	-122.019529 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44694 DS_ID:16445 EP_NO: 9462 FS_HLM: 12.963 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection. Slide gate unoperable-blocked by sediment. LS-flap gate missing. 5-inch pipe goes through 24-inch crossing--unable to determine is authorized. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0435 for smaller pipe running inside existing crossing.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee. Slide gate on both ends. (ABO No. 9462-1974, Thousand Acre Ranch) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6306.jpg



6-inch irrigation pipe through crossing at landward side. Flap gate missing.

Photo 2 of 3 : UCIP_FA_2015_6307.jpg



WS concrete structure with slide gate. Gate is blocked by sediment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	12.69	Rating **	M	Issue No.	676 (cont)
LM End	12.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359843 °	39.359843 °
				-122.019529 °	-122.019529 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44694					
DS_ID:16445					
EP_NO: 9462					
FS_HLM: 12.963					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6308.jpg



Overview of levee crown looking downstream at crossing.

LM Start	13.47	Rating **	U	Issue No.	677
LM End	13.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.367643 °	39.367643 °
				-122.015212 °	-122.015212 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44700 DS_ID:16443 EP_NO: 9461 FS_HLM: 13.756 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.Unable to close positive closure device due to missing ladder-slucce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82). FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6364.jpg



Concrete distribution box located on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	13.47	Rating **	U	Issue No.	677 (cont)
LM End	13.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.367643 °	39.367643 °
				-122.015212 °	-122.015212 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44700 DS_ID:16443 EP_NO: 9461 FS_HLM: 13.756 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.Unable to close positive closure device due to missing ladder-slucce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82). FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_6365.jpg



View of waterward side at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	13.47	Rating **	U	Issue No.	677 (cont)	
LM End	13.47	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.367643 °	39.367643 °	
				-122.015212 °	-122.015212 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44700 DS_ID:16443 EP_NO: 9461 FS_HLM: 13.756 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.Unable to close positive closure device due to missing ladder-slucce gate inaccessible. Need to determine the condition of the gate. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0453 for an inaccessible gate box with its ladder broken on the waterward side.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 36 inch corrugated metal pipe through levee, 21.5 feet below crown. Slide gate in concrete box on waterward end. Pump on the bank. (ABO No. 9461-1974, Annie D. Propfe) This entry matches the Drainage and Irrigation Structure referenced in O&M manual (Station 710+82). FS Date: 04/22/2015						

Photo 3 of 3 : UCIP_FA_2015_6366.jpg



View of landward side looking downstream at crossing.

LM Start	13.78	Rating **	M	Issue No.	678
LM End	13.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.371934 °	39.371934 °
				-122.012945 °	-122.012945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44709 DS_ID:16442 EP_NO: N/A FS_HLM: 14.083 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Slide gate is still buried.Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through levee. Slide gate on waterward end. (Davis Ranches) FS Date: 04/22/2015					

Photo 1 of 2 : UCIP_FA_2015_6367.jpg



Overview of levee crown looking downstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	13.78	Rating **	M	Issue No.	678 (cont)	
LM End	13.78	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.371934 °	39.371934 °	
				-122.012945 °	-122.012945 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:44709 DS_ID:16442 EP_NO: N/A FS_HLM: 14.083 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Slide gate is still buried.Slide gate is buried-non-fuctional. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0457 for buried slide gate.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through levee. Slide gate on waterward end. (Davis Ranches) FS Date: 04/22/2015						

Photo 2 of 2 : UCIP_FA_2015_6368.jpg



Slide gate buried-non-functional.

LM Start	14.28	Rating **	M	Issue No.	679
LM End	14.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.378568 °	39.378568 °
				-122.013262 °	-122.013262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44714 DS_ID:16441 EP_NO: 9460 FS_HLM: 14.59 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.Need to determine if crossing is still being used there are some abandoned features that remain at this crossing--crossing has been modified. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0464 for abandoned pump station.7/22/2013 Same as last inspection.12/17/2013 Same as last inspection.6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through levee. Gate valve on the waterward end. Pump house on the waterward berm. Concrete distribution box and flap gate at the landward toe. (ABO No. 9460-1974, Morici Corporation) FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6369.jpg



Inside view of concrete distribution box located on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	14.28	Rating **	M	Issue No.	679 (cont)
LM End	14.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.378568 °	39.378568 °
				-122.013262 °	-122.013262 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44714 DS_ID:16441 EP_NO: 9460 FS_HLM: 14.59 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection. Need to determine if crossing is still being used there are some abandoned features that remain at this crossing--crossing has been modified. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA1C_2010_p_0464 for abandoned pump station. 7/22/2013 Same as last inspection. 12/17/2013 Same as last inspection. 6/23/2014 Same as last inspection. FIELD_STRUCT_DESC: 18-inch steel pipe through levee. Gate valve on the waterward end. Pump house on the waterward berm. Concrete distribution box and flap gate at the landward toe. (ABO No. 9460-1974, Morici Corporation) FS Date: 04/22/2015					

LM Start	14.28	Rating **	M	Issue No.	679 (cont)
LM End	14.28	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6370.jpg



Concrete distribution box located on landward toe.

Photo 3 of 3 : UCIP_FA_2015_6504.jpg



View of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.08	Rating **	U	Issue No.	14
LM End	16.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.403930 °	39.403930 °
				-122.008925 °	-122.008925 °
DWR ID	DWR_MA0001_01_s_2012_14				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_14_20150910_00007.jpg



View of the building on the waterside slope.

LM Start	16.10	Rating **	U	Issue No.	26
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404135 °	39.404135 °
				-122.008797 °	-122.008797 °
DWR ID	DWR_MA0001_01_s_2012_26				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_26_20150910_00011.jpg



View of the building on the landside slope.

LM Start	16.10	Rating **	M	Issue No.	74
LM End	16.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404255 °	39.404255 °
				-122.008842 °	-122.008842 °
DWR ID	DWR_MA0001_01_s_2015_74				
Action/Comments					
Landscape Irrigation					
Inspector Comments: Remove the landscape from the landside slope and toe.					

Photo 1 of 1 : FA_2015_MA0001_297_74_20150910_00018.jpg



View of the landscape along the landside slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.30	Rating **	M	Issue No.	15
LM End	16.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407066 °	39.407363 °
				-122.008730 °	-122.008780 °
DWR ID	DWR_MA0001_01_s_2012_15				
Action/Comments					
Building					

No Photos

LM Start	16.31	Rating **	U	Issue No.	46
LM End	16.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407225 °	39.407545 °
				-122.008570 °	-122.008640 °
DWR ID	DWR_MA0001_01_s_2012_46				
Action/Comments					
Building					

Photo 1 of 1 : FA_2015_MA0001_297_46_20150910_00013.jpg



View of the building along the landside toe.

LM Start	16.34	Rating **	U	Issue No.	47
LM End	16.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.407670 °	39.407823 °
				-122.008685 °	-122.008740 °
DWR ID	DWR_MA0001_01_s_2012_47				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_MA0001_297_47_20150910_00014.jpg



View of the fence along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.35	Rating **	M	Issue No.	9
LM End	16.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.407837 °	39.411111 °
				-122.008763 °	-122.009238 °
DWR ID					
Action/Comments					
Inspector Comments: Erosion site added in 1997 and removed in 2005. 2009 - Site added back in, hard toe with slow moving erosion. Potential geotechnical failure. 2011 - Site extended downstream. 2015: Last observed in 2013. [2015 Site ID: SAC_164-3_R]					

Photo 1 of 2 : USACE2013A_SAC_164-3_R_1.jpg



USACE 2013 Photo #1

LM Start	16.35	Rating **	M	Issue No.	9 (cont)
LM End	16.58	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_SAC_164-3_R_3.jpg



USACE 2013 Photo #2

LM Start	16.49	Rating **	M	Issue No.	680
LM End	16.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.409758 °	39.409758
				-122.009562 °	-122.009562
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44717					
DS_ID:16438					
EP_NO: 2189					
FS_HLM: 16.85					
Repair Type: Non-Urgent					
Crossing Status: Found					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.55	Rating **	M	Issue No.	681
LM End	16.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.410645 °	39.410645 °
				-122.009705 °	-122.009705 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44719 DS_ID:16448 EP_NO: 14424 FS_HLM: 16.913 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed. 6/23/2014 Same as last inspection.12/17/2013 Same as last inspection7/22/2013 Same as last inspection..11/2012 Utility warning sign damaged. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. 12/2012 Waiting for information regarding crossing from PG&E. Regarding damage warning sign-- PG&E has initiated a project to replace pipeline crossing sign and utility markers, as required by DOT codes/regulations. FIELD_STRUCT_DESC: 12-inch gas pipeline through levee, 30-inches below crown. This 12-inch replacement pipe was installed by horizontally directionally drilling under the State HWY. Crossing is cathodically protected against external corrosion. (Permit No. 14424-1988, PG&E) Emergency contact Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. This pipe is under pressure and cathodic protection (CP) readings are taken on a regular schedule. FS Date: 04/22/2015					

Photo 1 of 3 : UCIP_FA_2015_6505.jpg



View of utility marker located on landward side across hwy.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.55	Rating **	M	Issue No.	681 (cont)
LM End	16.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.410645 °	39.410645 °
				-122.009705 °	-122.009705 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44719 DS_ID:16448 EP_NO: 14424 FS_HLM: 16.913 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/21/2015 Same as last inspection.11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed. 6/23/2014 Same as last inspection.12/17/2013 Same as last inspection.7/22/2013 Same as last inspection..11/2012 Utility warning sign damaged. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. 12/2012 Waiting for information regarding crossing from PG&E. Regarding damage warning sign-- PG&E has initiated a project to replace pipeline crossing sign and utility markers, as required by DOT codes/regulations. FIELD_STRUCT_DESC: 12-inch gas pipeline through levee, 30-inches below crown. This 12-inch replacement pipe was installed by horizontally directionally drilling under the State HWY. Crossing is cathodically protected against external corrosion. (Permit No. 14424-1988, PG&E) Emergency contact Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. This pipe is under pressure and cathodic protection (CP) readings are taken on a regular schedule. FS Date: 04/22/2015					

Photo 2 of 3 : UCIP_FA_2015_6506.jpg



View just upstream of utility crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sutter Maintenance Yard Maintenance Area 0001

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	16.76	09/16/2015 09/16/2015	Bob Duffey

LM Start	16.55	Rating **	M	Issue No.	681 (cont)
LM End	16.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.410645 °	39.410645 °
				-122.009705 °	-122.009705 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44719					
DS_ID:16448					
EP_NO: 14424					
FS_HLM: 16.913					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 4/21/2015 Same as last inspection.11/3/2014 (DWR-Olivia) Need to contact owner to determine when markers will be placed. 6/23/2014 Same as last inspection.12/17/2013 Same as last inspection7/22/2013 Same as last inspection..11/2012 Utility warning sign damaged. Olivia (UCIP team) is coordinating with PG&E to determine more info on crossing. 12/2012 Waiting for information regarding crossing from PG&E. Regarding damage warning sign-- PG&E has initiated a project to replace pipeline crossing sign and utility markers, as required by DOT codes/regulations.					
FIELD_STRUCT_DESC: 12-inch gas pipeline through levee, 30-inches below crown. This 12-inch replacement pipe was installed by horizontally directionally drilling under the State HWY. Crossing is cathodically protected against external corrosion. (Permit No. 14424-1988, PG&E) Emergency contact Monte Penland, Gas Maintenance Supervisor, 15871 Central Street, Meridian, CA 95957; Office No. 530-634-6520 or Mobile No. 530-356-7396. Utility crossing coordinates are approximate. This pipe is under pressure and cathodic protection (CP) readings are taken on a regular schedule.					
FS Date: 04/22/2015					

Photo 3 of 3 : UCIP_FA_2015_6507.jpg



View of levee looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	